

**DESIGN DIMENSION WORKSHEET**  
**FOR**  
**DRY MANURE AND DEAD BIRD COMPOSTING BARN**

NAME \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_

DATE \_\_\_\_\_

PURPOSE \_\_\_\_\_

LOCATION: North Alabama \_\_\_\_ (Use Table 1 or 1a)  
South Alabama \_\_\_\_ (Use Table 2 or 2a)

**TRUSS DESIGN** Minimum design load = 20 psf live load  
Plus dead load of roof

Roof Slope: 4:12 \_\_\_\_\_ 5:12 \_\_\_\_\_

Truss span between supports \_\_\_\_\_ (Ft.)

Supplier designed Yes \_\_\_\_ No \_\_\_\_\_. If Yes attach copy of design computations certified by a registered engineer. If No state designer and approving engineer.

Designed by \_\_\_\_\_ Approved by \_\_\_\_\_

**POST DESIGN**

Design chart used: Table \_\_\_\_\_

Post height \_\_\_\_\_ (Ft.) Post spacing (C-C) \_\_\_\_\_ (Ft.)

Does building have composter or reinforced block walls providing rigid support to posts @ about 5 ft. above floor? Yes \_\_\_\_ No \_\_\_\_

If Yes, go to "with rigid support".

With rigid support: Will wall above composter have siding: Yes \_\_\_\_ No \_\_\_\_

Post size from Table 1 or 2 \_\_\_\_\_ x \_\_\_\_\_  
nominal \_\_\_\_ full size \_\_\_\_

Without rigid support: Will wall have siding? Yes \_\_\_\_ No \_\_\_\_

Post size from Table 1 or 2 \_\_\_\_\_ x \_\_\_\_\_  
nominal \_\_\_\_ full size \_\_\_\_

**POST EMBEDMENT DEPTH**

Foundation description: Soil Name \_\_\_\_\_  
 Unified classification symbol \_\_\_\_\_ General Description (Excavated,  
 compacted fill, depth to seasonal water table, etc.)

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NOTE: Designs for structures on weak, soft, wet or highly plastic soils must be checked by an Engineer.

Are posts encased in a floor slab? Yes \_\_\_\_ No \_\_\_\_

If Yes, embedment = 3 ft. min. below top of slab.

If No embedment = \_\_\_\_\_ ft. min. from Table 1 or 2

**GIRDER DESIGN**

Are trusses or side shed rafters supported by girders?  
 Yes \_\_\_\_ No \_\_\_\_

If No: Use minimum size from Table 1 or 2, 1 - 2 x \_\_\_\_.

If Yes: Supports trusses only, from Table 1 or 2  
 \_\_\_\_\_ - 2 x \_\_\_\_\_ with/without girder braces.

Supports side shed rafters only, from Table 1 or 2  
 1 - 2 X \_\_\_\_\_ with/without girder braces.

Supports side shed rafters and trusses, from Table 1 or 2  
 2 - 2 X \_\_\_\_\_ with girder braces.

**PURLIN DESIGN**

Distance between trusses, \_\_\_\_\_ ft. = Purlin Span

Purlin size, from Table 1 or 2, \_\_\_\_\_ X \_\_\_\_\_

Laid flat \_\_\_\_\_ on edge \_\_\_\_\_